

## CWWT360L12Fxyz0

TRI BAND | PSEUDO OMNI | CANISTER ANTENNA | XXX-POL | 360° / 360° / 360° | 6.0 / 10.0 / 10.0 DBI | FIXED TILT | WITH GPS SYSTEM




### Features

- Pseudo Omni configuration with 6 connectors
- Features an integrated GPS system
- Available with 4.3/10 or 7/16-DIN connectors
- Three unique mounting options
- Can be painted to blend in with a mounting structure



### Connector Description

The antenna has 6 connectors located at the bottom, each marked with a colored ring.

Low Band	696-960 MHz	Red Markings		(2x) 4.3/10 or 7/16-DIN Female
High Band #1	1695-2180 MHz	White Markings		(2x) 4.3/10 or 7/16-DIN Female
High Band #2	1695-2180 MHz	White Markings		(2x) 4.3/10 or 7/16-DIN Female

Electrical Characteristics	Low Band		High Bands #1 and #2		
Frequency Bands (MHz)	696-960 MHz		(2x) 1695-2700 MHz		
	696-806	806-960	1695-1880	1850-1990	1920-2180
Polarization	±45°		(2x) ±45°		
Horizontal Beamwidth	360°	360°	360°	360°	360°
Vertical Beamwidth	20°	15°	7.5°	7.0°	6.5°
Gain	5.5 dBi	6.0 dBi	9.0 dBi	9.5 dBi	10.0 dBi
Electrical Downtilt (°)	(x) 0, 2, 4, 6		(y) 0, 4, 8, 12		
Impedance	50Ω		50Ω		
VSWR	≤ 1.5:1		≤ 1.5:1		
Upper Sidelobe Suppression	> 15 dB		> 15 dB		
Front-to-Back Ratio	> 25 dB		> 25 dB		
Isolation Between Ports	20 dB		25 dB		
IM3 (2x20W carrier)	< -153 dBc		< -153 dBc		
Input Power	(2x) 500 W		(4x) 300 W		
Diplexed	No				
Number of Sectors / Sector Spacing	3 Sectors / Pseudo Omni				
Lightning Protection	Direct Ground				

### Mechanical Characteristics

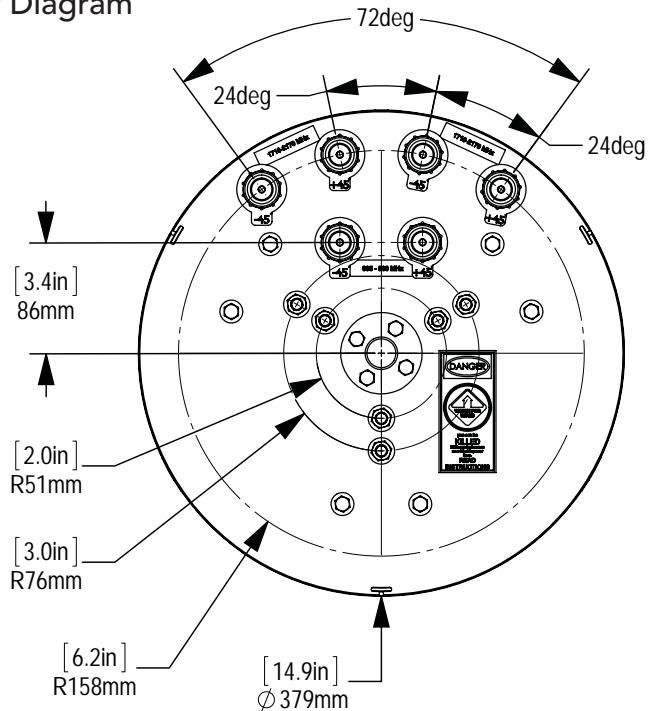
Antenna Dimensions (Height x Diameter)	1346 x 371 mm	53.0 x 14.6 in
Weight without Mounting Bracket Kit	24.9 kg	55 lbs
Survival Wind Speed	201 km/hr	125 mph
Wind Area	0.47 m <sup>2</sup>	5.0 ft <sup>2</sup>
Wind Load (160 km/hr or 100 mph)	383 N	86 lbf

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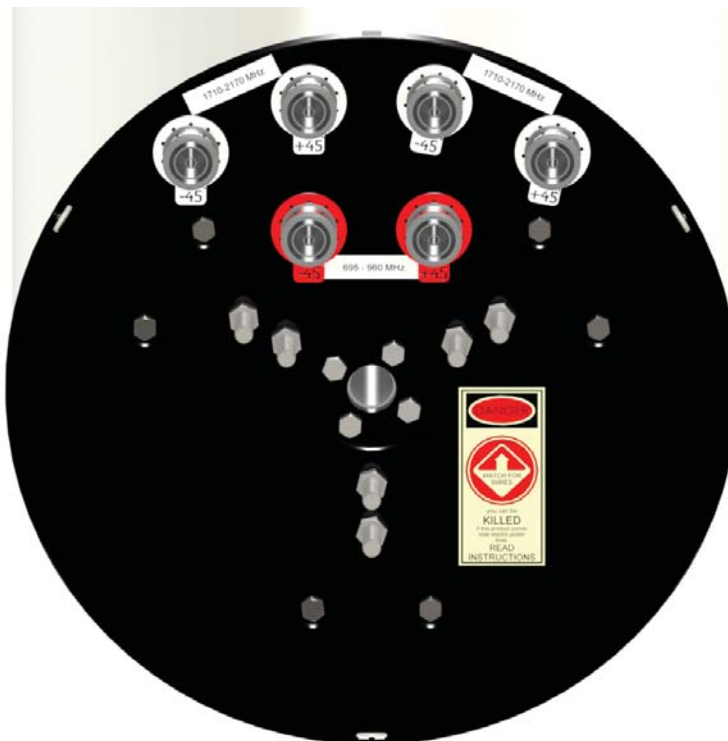
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### Bottom View - Connector Diagram



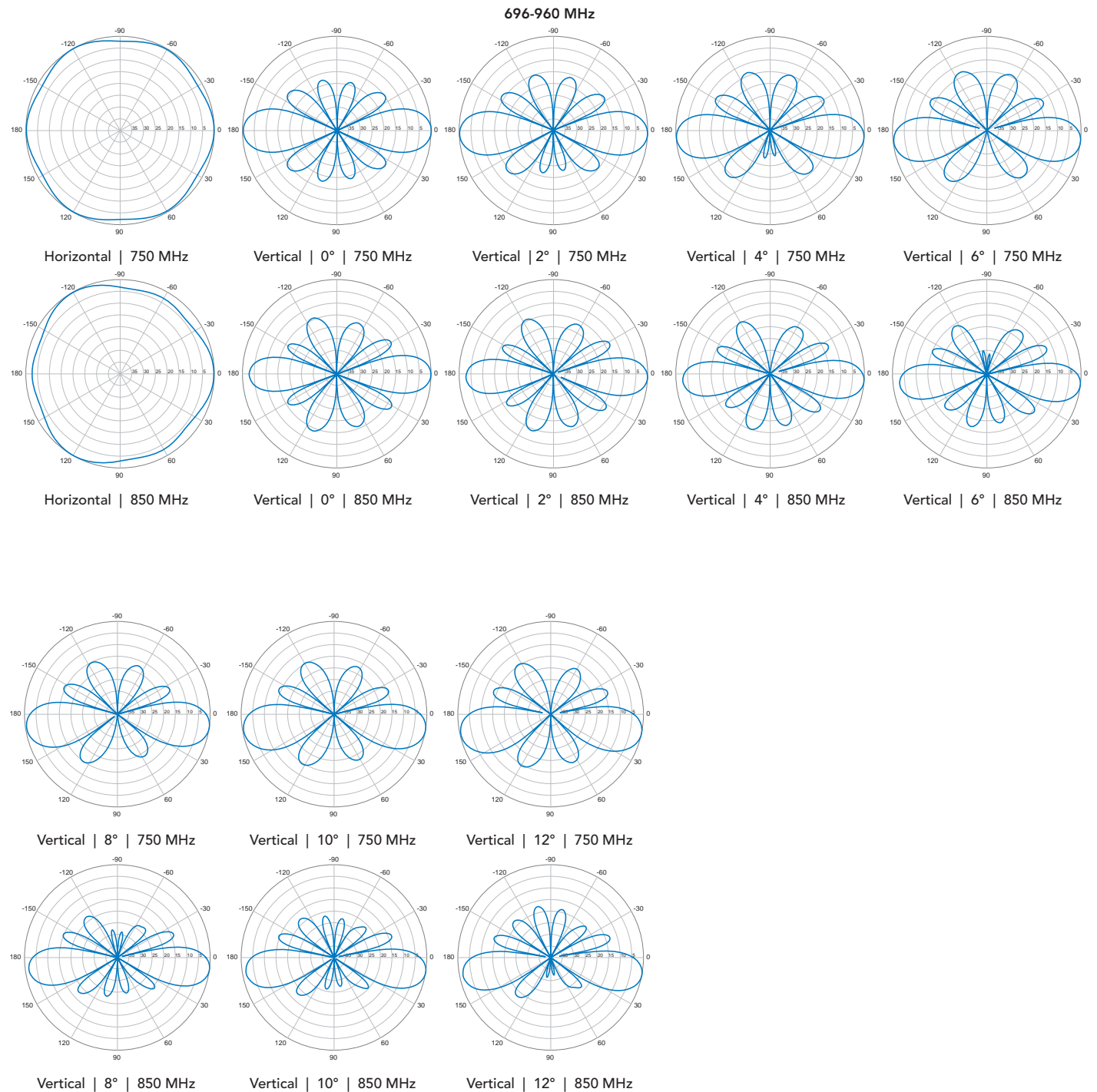
### Bottom View - Labeling



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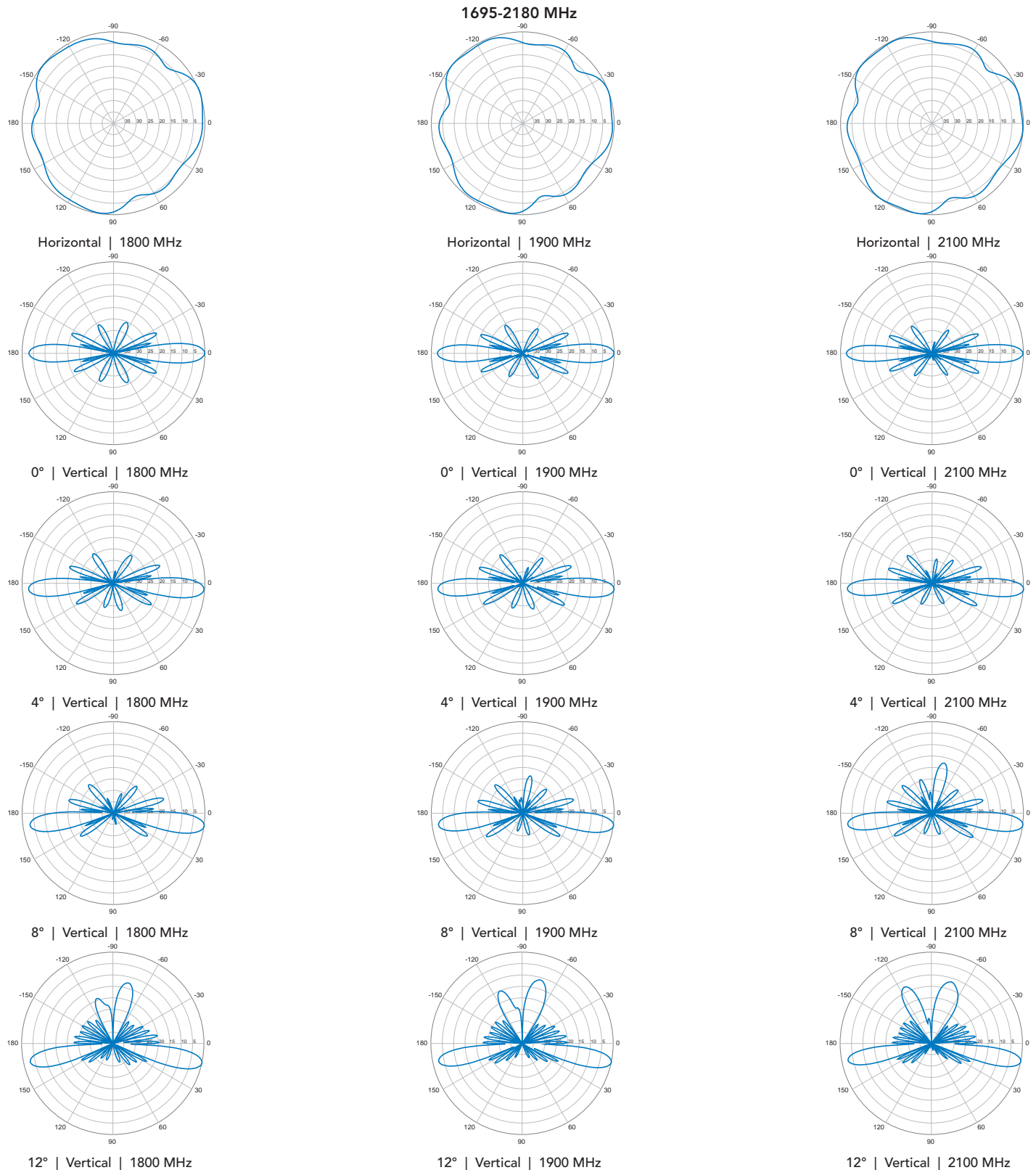
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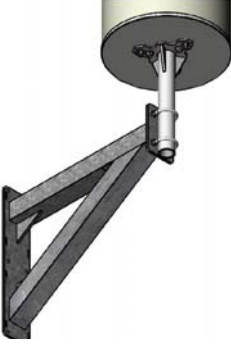
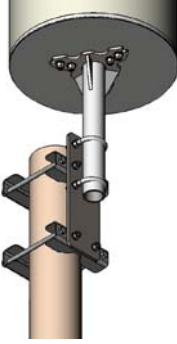

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### Mounting Kits





This antenna can be mounted using any of the following mounting kits. Mounting kits can be ordered as a separate line item or can be included with the antenna as a single line item. Refer to **Ordering Options**.

Side Mounting Kit	Top Mounting Kit	Utility Pole Mounting Kit
CWT-MKS-SIDE	CWT-MKS-TOP	WB3X-MKS-01
		

### Ordering Options

When ordering, select the Electrical Downtilt (**xy**), Paint Color, Mounting Option and Connector Type (**z**).

Electrical Downtilt Degree (°)	Low Band	replace "x" with one of the following options:	0, 2, 4, or 6
	High Band	replace "y" with one of the following options:	0, 4, 8 or 12

Paint Color	Mounting Option	Connector Type ( <b>z</b> )	
		4.3/10	7/16-DIN
Unpainted 	No Mounting - Antenna Only	CWWT360L12Fxyz0	CWWT360L12FxyD0
	Side Mounting Kit	CWWT360L12Fxyz0S	CWWT360L12FxyD0S
	Top Mounting Kit	CWWT360L12Fxyz0T	CWWT360L12FxyD0T
	Utility Pole Mounting Kit	CWWT360L12Fxyz0U	CWWT360L12FxyD0U
Black 	No Mounting - Antenna Only	CWWT360L12Fxy0BK	CWWT360L12FxyD0BK
	Side Mounting Kit	CWWT360L12Fxy0BKS	CWWT360L12FxyD0BKS
	Top Mounting Kit	CWWT360L12Fxy0BKT	CWWT360L12FxyD0BKT
	Utility Pole Mount	CWWT360L12Fxy0BKU	CWWT360L12FxyD0BKU
Brown 	No Mounting - Antenna Only	CWWT360L12Fxy0BR	CWWT360L12FxyD0BR
	Side Mounting Kit	CWWT360L12Fxy0BRS	CWWT360L12FxyD0BRS
	Top Mounting Kit	CWWT360L12Fxy0BRT	CWWT360L12FxyD0BRT
	Utility Pole Mounting Kit	CWWT360L12Fxy0BRU	CWWT360L12FxyD0BRU
White 	No Mounting - Antenna Only	CWWT360L12Fxy0WH	CWWT360L12FxyD0WH
	Side Mounting Kit	CWWT360L12Fxy0WHS	CWWT360L12FxyD0WHS
	Top Mounting Kit	CWWT360L12Fxy0WHT	CWWT360L12FxyD0WHT
	Utility Pole Mounting Kit	CWWT360L12Fxy0WHU	CWWT360L12FxyD0WHU

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